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【10】中華民國

【12】專利公報 (U)

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【45】公告日：中華民國 93 (2004) 年 09 月 11 日

【51】Int. Cl. F16B25/04

見證

新型

全 5 頁

【64】名稱：木螺絲構造

【21】申請案號：092222112

【22】申請日期：中華民國 92 (2003) 年 12 月 17 日

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見證

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【57】申請專利範圍：

1. 一種木螺絲構造，適用於鎖設在纖維性物件中，其主要包含有一螺頭、以及一設於螺頭上之桿體；其中，該桿體之周緣面上週設有螺旋狀之螺牙，且該螺牙具有一由周緣面向上延伸之上、下切削面，同時該上、下切削面相接形成一牙峰；其特徵在於：該螺牙之上切削面上開設有間隔設置之複數凹槽，且該每一凹槽並延

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伸至牙峰處，以使牙峰形成鉤齒狀，以利鎖合迅速、省力鎖設於木纖維物件上，且鎖合後具有較佳之緊固力。

2. 根據申請專利範圍第1項所述之木螺絲構造，其中，該每一螺牙之下切削面亦間隔開設有複數凹槽，且該凹槽與上切削面上之凹槽交錯設置，以使牙峰形成鉤齒狀。

3. 一種木螺絲構造，其主要包含有一螺

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頭、以及一股於螺頭上之桿體；其中，該桿體之周緣面上環設有螺旋狀之螺牙，且該螺牙具有一由周緣面  
 向上延伸之上、下切面，同時該上、下切面相交形成一牙峰；其特徵在於：

該螺牙之下切面上開設有關閉設置之複數凹槽，且該每一凹槽並延伸  
 至牙峰處，以使牙峰形成圓齒狀。

圖式簡單說明：

圖1是習知木螺絲之一立體示意圖

圖：

圖2是習知木螺絲之一鑽台狀態示意圖；

5. 圖3是本新型木螺絲之第一較佳實施例的立體示意圖；

圖4是該較佳實施例之一使用狀態示意圖；

圖5是本新型木螺絲之第二較佳實施例的立體示意圖；及

10. 圖6是本新型木螺絲之第三較佳實施例的側面示意圖。

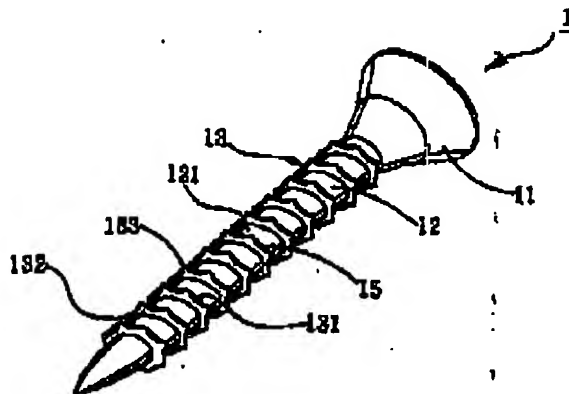


圖1

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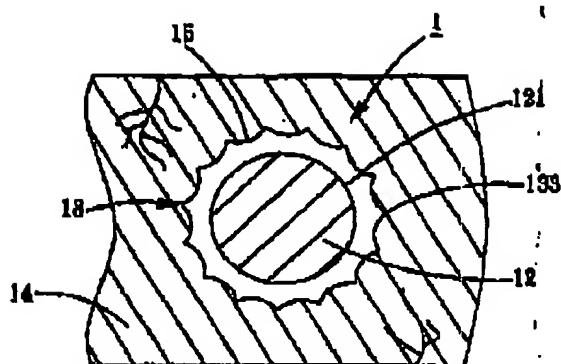


圖 2

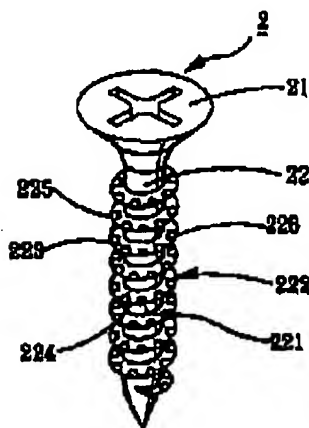


圖 3

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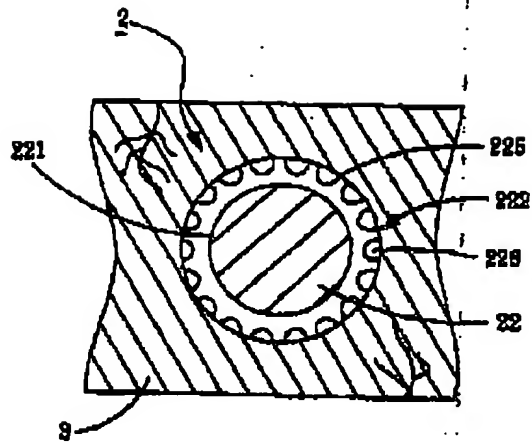


圖 4

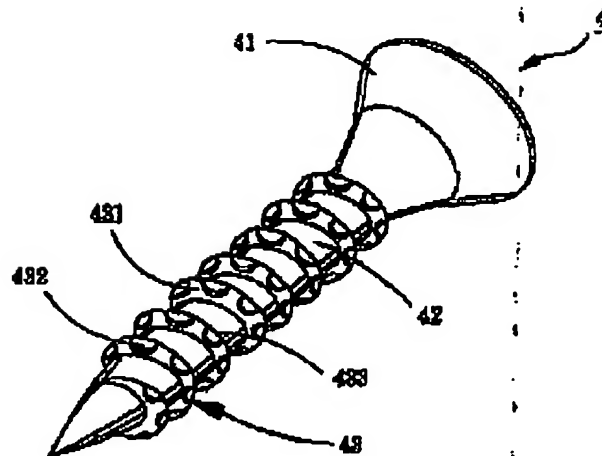


圖 5

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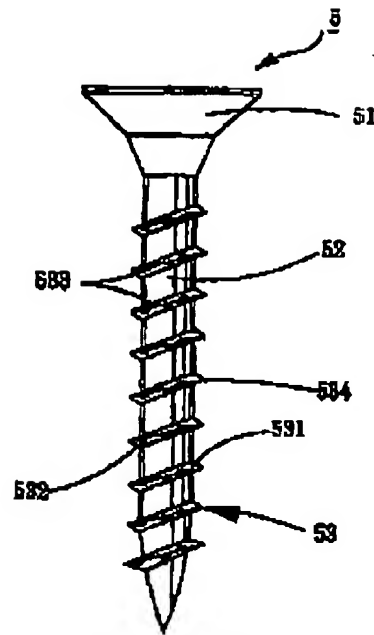


圖 6

*Translation*

[19] Republic of China [12] Patent Gazette (U)  
 [11] Certificate No. M243578  
 [45] Publication Date: A.D. September 11, 2004 (namely, the 93<sup>rd</sup> year of Republic of China)  
 [51] Int. CL<sup>7</sup>: F1GB25/04

Testimony/witness

Utility Model

Total 5 Pages

[54] A New Construction Of Wood Screw

[21] Application Serial No. 082222122

[22] Filing Date: A.D. December 17, 2003 (namely, the 92<sup>nd</sup> year of the republic of China)

[72] Inventor: Junxiang Chen (陈俊雄)

Testimony/witness

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[74] Agent:

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[57] The scope of patent application:

1. A new construction of wood screw, suitable for disposing on and fastening fibre articles together, primarily comprises a screw head and a shank disposed on the screw head, wherein round the circumferential surface of the shank is disposed a helical screw thread having a triangular section to form a tooth composed of an upper and a lower cutting face both extending upward round the shank, as well as at the joint of the upper and the lower cutting face is formed a tooth tip. It is characterized that: On the upper cutting face are disposed a plurality of spaced grooves

extending to the tooth tip in order that the tooth tip is to be saw-tooth shaped and facilitate to fasten up rapidly. It is labor saving to turn the screw into fibre articles and have better fastening force after fastening up.

2. Said wood screw according to claim 1 in the scope of the patent application, wherein on the lower cutting face also are disposed a plurality of spaced grooves staggering with those disposed on the upper cutting face in order that the tooth tip is to be saw-tooth shaped.

3. A new construction of wood screw, suitable

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Translation

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for disposing on and fastening fibre articles together, primarily comprises a screw head and a shank disposed on the screw head, wherein round the circumferential surface of the shank is disposed a helical screw thread having a triangular section to form a tooth composed of an upper and a lower cutting face both extending upward round the shank, as well as at the joint of the upper and the lower cutting face is formed a tooth tip. It is characterized that: On the upper cutting face are disposed a plurality of spaced grooves extending to the tooth tip in order that the tooth tip is to be saw-tooth shaped.

#### Brief description of drawings

Figure 1 is a schematic perspective view of

a known wood screw;

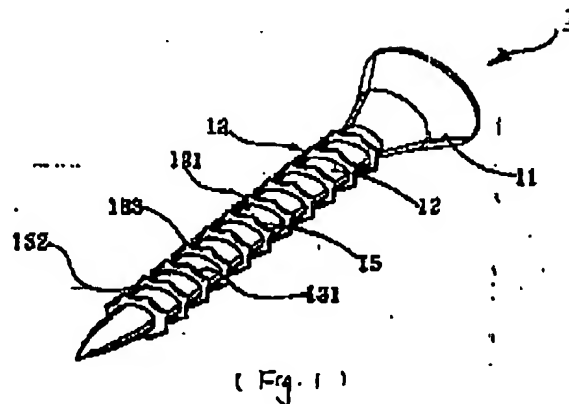
Figure 2 is a schematic sectional view of a known wood screw in fastening up state;

Figure 3 shows a schematic perspective view of a first optimal embodiment of the utility model of the new construction wood screw of the invention;

Figure 4 shows a schematic sectional view of the first optimal embodiment in a using state;

Figure 5 shows a schematic perspective view of a second optimal embodiment of the utility model of the new construction wood screw of the invention;

Figure 6 is a schematic side view of the second optimal embodiment of the wood screw utility model of the invention.



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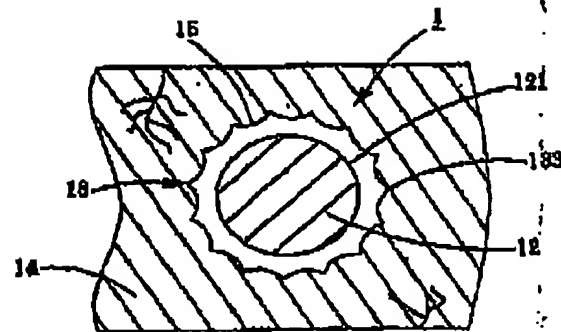


圖 2 (Fig. 2)

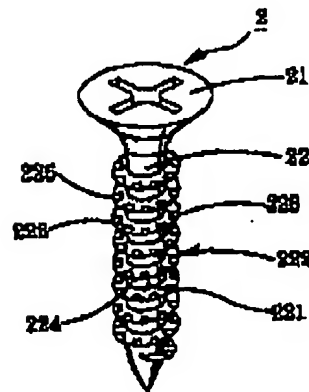


圖 3 (Fig. 3)

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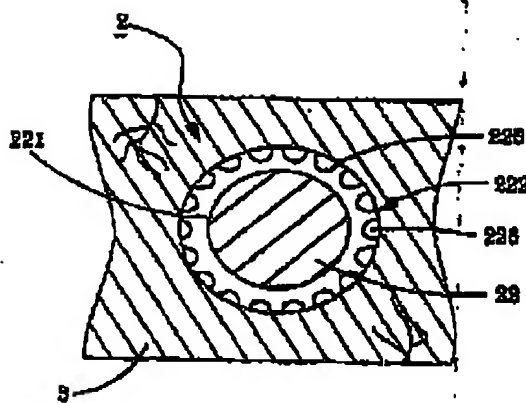


图 4 (Fig. 4)

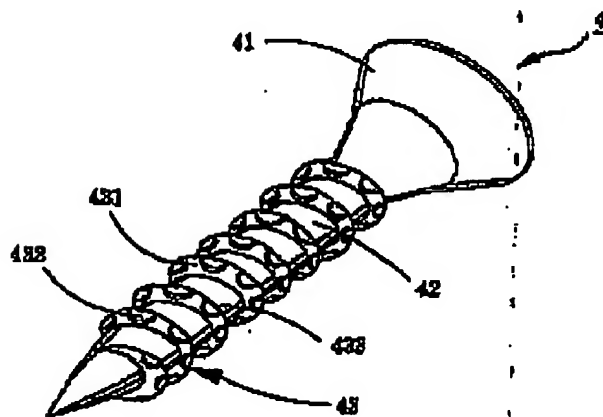


图 5 (Fig. 5)

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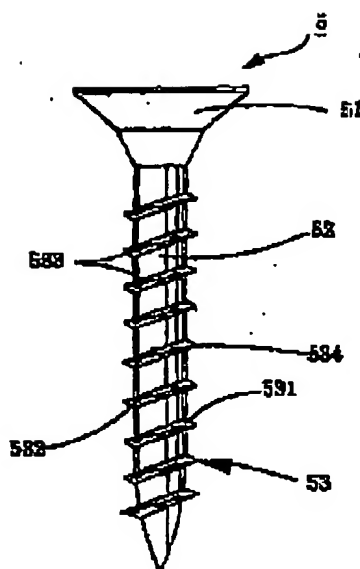


Fig. 6 (Fig. b)

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